## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) An apparatus providing routing of asynchronous traffic in a circuit switched synchronous time division multiplexed network, said apparatus comprising:

an interface (12) providing access to a multi-channel bitstream carrying isochronous channels;

routing means (26) for providing routing of data packets; and

a communication medium (24) interconnecting said interface and said routing means,

wherein said interface (12) comprises means (18) for deriving data packets received in at least one of said isochronous channels, means (22) for transmitting only header portions of said data packets to said routing means via said communication medium (24), means (20) for temporarily storing at least body portions of said data packets, and means (22, 32) for forwarding said data packets in accordance with routing instructions received from said routing means.

2. (Original) An apparatus as claimed in claim 1, wherein said interface (12) comprises selecting means (43) for determining if a header portion of a data packet is to be sent to said routing means (26), and wherein said means (22) for transmitting only header portions of said data packets to said routing means (26) are arranged to control

the transmission of header portions according to decision made by said selecting means.

3. (Original) An apparatus as claimed in claim 2, wherein said selecting means (43) comprises a table designating destination addresses of data packets for which the header portions thereof are not to be transmitted to said routing means.

4. (Currently Amended) An apparatus as claimed in claim 2 **[[**or 3**]]**, wherein said selecting means (43) comprises a table designating destination addresses of data packets that are to be discarded at said interface.

5. (Currently Amended) An apparatus as claimed in claim 2, ~~**3, or 4,**~~ wherein said selecting means (43) comprises a table designating destination addresses of data packets that are to be transmitted to one or more of the isochronous channels of said multi-channel bitstream that is accessed by said interface.

6. (Currently Amended) An apparatus as claimed in claim 2, ~~**3, 4, or 5,**~~ wherein said selecting means (43) comprises a cache memory that is continuously updated with routing information provided by said routing means.

7. (Currently Amended) An apparatus as claimed in **claim 1 or 2** ~~**any one of the preceding claims**~~, wherein said forwarding of a data packet in accordance with routing instructions received from said routing means (26) comprises at least one

measure in the group consisting of: forwarding said data packet to another interface connected to said communications medium (24); forwarding said data packet to said routing processor (26); forwarding said data packet to a channel of said multi-channel bitstream; and discarding said data packet.

8. (Currently Amended) An apparatus as claimed in **claim 1 or 2** ~~**any one of the preceding claims**~~, wherein said interface (12) comprises means (22) for determining which channels of said multi-channel bitstream that are to be received by said interface (12) and that contain data packets that are to be routed by said apparatus.

9. (Currently Amended) An apparatus as claimed in **claim 1 or 2** ~~**any one of the preceding claims**~~, wherein said interface (12) comprises means for bypassing channels of said multi-channel bitstream that are not to be received by said apparatus.

10. (Currently Amended) An apparatus as claimed in **claim 1** ~~**any one of the preceding claims**~~, wherein said data packets, when transmitted within said channels, are encapsulated according to a predefined encapsulation protocol.

11. (Currently Amended) An apparatus as claimed in **claim 1** ~~**any one of the preceding claims**~~, wherein said communication medium (24) is a shared medium connecting said interface and one or more other interfaces with said routing means.

12. (Currently Amended) An apparatus as claimed in **claim 1** ~~**any one of the preceding claims**~~, wherein said medium (24) is a communication bus interconnecting said interface and said routing means.

13. (Currently Amended) An apparatus as claimed in **claim 1** ~~**any one of the preceding claims**~~, wherein said routing means (26) are arranged to also perform routing in relation to data packets received at one or more other interfaces of the apparatus.

14. (Currently Amended) An apparatus as claimed in claim 13, wherein said communication medium (24) is arranged to interconnect said one or more other interfaces and said ~~**routing**~~ routing means (26).

15. (Currently Amended) An apparatus as claimed in **claim 1** ~~**any one of the preceding claims**~~, wherein said network is operating according to a Dynamic synchronous Transfer Mode (DTM) protocol.

16. (Currently Amended) An apparatus as claimed in **claim 1** ~~**any one of the preceding claims**~~, wherein said bitstream is a multi-access bitstream.